

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A diversity receiver having comprising multiple antenna receiving branches, wherein each branch has of said multiple antenna receiving braches comprising estimating means for estimating at least a receiving channel parameter, and wherein a first estimating means in one branch of the multiple antenna receiving branches is directly coupled operatively connected to a second estimating means in an other further branch of the multiple antenna receiving braches for using at least a part of the channel parameter estimate in the one branch as an aid for estimating at least a receiving channel parameter in the ether further branch.

2. (Currently Amended) The diversity receiver according toas claimed in claim 1, wherein the channel parameter estimate in the one branch is used as a starting point for the channel parameter estimate in the ether further branch.

3. (Currently Amended) The diversity receiver according toas claimed in claim 1, wherein the channel parameter estimate in the one branch provides a coarse channel parameter estimate, and wherein said coarse channel parameter estimate is used as a start for the channel parameter estimate in the ether further branch.

4. (Currently Amended) The diversity receiver according toas
claimed in claim 1, wherein the second estimating means in the
~~other further~~ branch is directly coupled operatively connected to
the first estimating means in said one branch for using at least a
part of the channel parameter estimate in the ~~other further~~ branch
as an aid for estimating the receiving parameter channel in said
one branch.

5. (Currently Amended) The diversity receiver according toas
claimed in claim 1, wherein the diversity receiver has two antenna
receiving branches.

6. (Currently Amended) The diversity receiver according toas
claimed in claim 1, wherein the diversity receiver is arranged for
estimating a time delay between the appearance of a certain channel
parameter estimate in the various branches.

7. (Currently Amended) A mobile radio communication device
provided with the diversity receiver according toas claimed in
claim 1.

8. (Currently Amended) A method for receiving a signal
comprising the acts of:
 receiving the signal through multiple antenna receiving
branches;

in each branch, estimating parameters about a received channel to form channel estimation results;

directly exchanging the channel estimation results between a first branch and a second branch; and

using first channel estimation results about a first received channel from the first branch as an aid for estimating parameters about a second received channel in the second branch and forming second channel estimation results.

9. (Currently Amended) Signals suited for applying the method according to as claimed in claim 8, wherein a signal is received through multiple antenna receiving branches, wherein in each branch an estimation is made about a received channel, and wherein channel estimation results from one branch of the multiple antenna receiving branches are being used as an aid for estimating the received channel in an other further branch of the multiple antenna receiving branches.

10. (Currently Amended) The method of claim 8, wherein said method further comprising comprises the acts of:

estimating a delay value between a first channel parameter in the first branch and the first channel parameter in the second branch; and

synchronizing estimation in the branches by using the delay value.